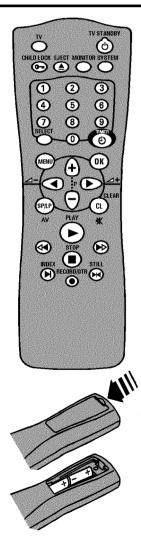
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OPERATING INSTRUCTIONS IN BRIEF

The remote control

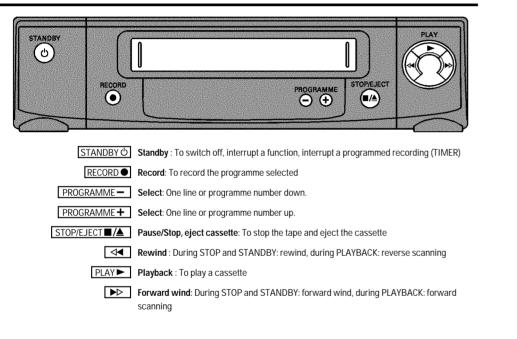


TV	To call up additional TV functions : Additional TV functions for TV sets with the same remote control code (RC5)	
TV/STANDBY ෆ්	 Switch off : To switch off set, interrupt menu function, interrupt a programmed recording (TIMER) 	
CHILD LOCK O-] No function	Г
EJECT 📥	Eject : To eject a cassette	L
MONITOR	TV monitor : To switch between TV reception and VCR playback	RECO
SYSTEM	Special function : For instance, to switch on the test picture	Ľ
0-9	Number buttons: 0 - 9	
SELECT	Select: To select a function	-
TIMER	TIMER: To make a manual TIMER programming with VIDEO Plus+ or to alter or clear a programmed TIMER	
MENU	Menu : To call up the main menu	CLEAF
OK	Store/Confirm: To store or confirm entry	TV/ST
◀/⊿▬	Select: Cursor left	
▶/⊿+	Select: Cursor right	
P 🕇	Select: One line or programme number up	
P —	Select: One line or programme number down	
SP/LP, AV	SP/LP : To select the recording speed (Long Play/Standard Play)	

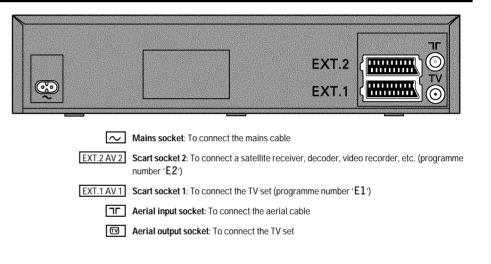
CLEAR (CL), 🛠	Delete : To delete last entry/Clear programmed recording (TIMER)
PLAY►	Playback : To play a recorded cassette
	Rewind : During STOP and STANDBY: rewind, during PLAYBACK: reverse scanning
STOP	Pause/Stop: To stop the tape, except while a TIMER-recording is being made
$\blacktriangleright \triangleright$	Forward wind: During STOP and STANDBY: forward wind, during PLAYBACK: forward scanning
	Index search : In combination with $/$: to search for previous/next recording on the cassette.
RECORD/OTR●	Record: To record the programme selected
STILL	Still picture: To stop the tape and show a still picture
STILL	Sui picture. To stop the tape and show a still picture
	Additional TV functions Press the TV button and the correct button on the remote control at the same time
	Additional TV functions Press the TV button and the correct button on the remote control at the same
	Additional TV functions Press the TV button and the correct button on the remote control at the same time
∠-</th <th>Additional TV functions Press the TV button and the correct button on the remote control at the same time TV volume: TV volume down</th>	Additional TV functions Press the TV button and the correct button on the remote control at the same time TV volume: TV volume down
/ ◄/△-	Additional TV functions Press the TV button and the correct button on the remote control at the same time TV volume: TV volume down TV volume: TV volume up
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 <!--</th--><th>Additional TV functions Press the TV button and the correct button on the remote control at the same time TV volume: TV volume down TV volume: TV volume up To switch the TV to Audio-/Video input socket TV volume off: To switch off the TV volume</th>	Additional TV functions Press the TV button and the correct button on the remote control at the same time TV volume: TV volume down TV volume: TV volume up To switch the TV to Audio-/Video input socket TV volume off: To switch off the TV volume

 $\boldsymbol{\times}$

Front of the set



Back of the set



 \times

Remote codes

	00	0,110;	15 00 07		01
Acura	02	GoldStar	15, 20, 27	Proline	31
Adyson	20	Goodmans	07, 10, 20, 29, 36	Protech	02, 12, 20, 23, 25, 38
Akai	18, 33	Gorenje	35	Quelle	03, 04, 33
Akura	21, 25	Graetz	33	Questa	07
Alba	02, 07, 21	Granada	10, 18, 20	Rank Arena	07
Allorgan	28	Grandin	26	Rediffusion	33
Amplivision	20	Grundig	17	Rex	25
Amstrad	02	НСМ	02, 26	Roadstar	02, 21, 25, 38
Anitech	02	Hanseatic	30, 33	SEG	07, 20, 25
Arcam	19, 20	Hinari	02, 07, 21	SEI	12, 28
Asuka	21	Hisawa	26, 40	Saba	15
Audiosonic	15	Hitachi	05, 07, 08, 13, 15, 20, 22	Saisho	02, 04, 25
BPL	26	Huanyu	19, 36	Salora	33
BSR	28	Hypson	25, 26	Sambers	12
BTC	21	ICE	20, 25	Samsung	01, 02, 20, 25, 27, 35
Basic Line	02, 21	ICeS	21	Sandra	19
Baur	03, 33	ITT	33	Sanyo	04, 07, 10, 18
Beko	35	Imperial	23, 35, 38	Schaub Lorenz	33
Binatone	20	Inno Hit	10	Schneider	21, 23, 37
Blaupunkt	17	Interfunk	23, 33	Sei-Sinudyne	03
Blue Sky	21	Intervision	12, 20, 25	Sentra	06
Blue Star	26	Isukai	21	Sharp	07, 11
Bondstec	23	JVC	07, 09	Shorai	28
Boots	20	Kaisui	02, 19, 20, 21, 26	Siarem	12
Brandt	15	Kathrein	01	Siemens	17
Britannia	19	Kingsley	19	Silver	07
Bush	02, 07, 21, 26, 28, 36, 42	Koyoda	02	Sinudyne	12, 28
CGE	23	Leyco	10, 25, 28	Solavox	05
CS Electronic		Lloytron	05	Sonitron	18
CTC	23	Luxor	33	Sonoko	02
Carrefour	23	M Electronic	02, 13, 15, 20, 32, 36, 41	Sonolor	18
Cascade	02	Magnadyne	12, 23	Sony	03, 04, 07
Cimline	02	Magnafon	12, 23	Soundwave	38
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Condor	30, 35	Marantz	20, 23, 30	Sunkai	28, 31
Contec	02, 07, 19		04, 06, 07, 10, 18, 20, 28, 39	Susumu	20, 51
Crown	02, 07, 13	Memorex	14, 00, 07, 10, 10, 20, 20, 33 02	Tandy	10, 20, 21
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Daewoo	02, 36	Mitsubishi	07, 14, 16	Tatung	10, 20
Dainichi	21	Mivar	19, 27	Tec	20, 23
Dayton	02	Multitech	02, 12, 19	Technema	20, 23
De Graaf	18	Neckermann	02, 12, 13	Technics	24
Decca	10	Nikkai	05, 06, 10, 19, 21, 25	Telefunken	15
Dixi	02	Nobliko	00,00,10,19,21,20	Telemeister	30
Dual Dual Tao	42	Nokia	33, 41	Teletech	02
Dual Tec	20	Nordmende	15	Teleton	20
Elite	21, 30	Oceanic	33	Tensai	21, 28, 29, 30
Elta	02	Orion	28, 30, 31	Texet	19, 21
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Finlux	10, 13, 32	Otto Versand	01, 03, 07, 20, 30	Uher	30
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Fisher	18, 20, 35	Panama	20, 25	Universum	13, 25, 32, 35
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Formenti	30	Pathe Cinema	19, 30	Videotechnic	20
Frontech	23, 25	Pausa	02	Visa	02
Fujitsu	10	Perdio	30	Vision	30
Funai	25, 28	Phase	05	Waltham	20
GEC	10, 20	Philco	23	Watson	30
GPM	21	Philips	01, 36	Watt Radio	12
Geloso	02	Pioneer	15	Wega	07
Genexxa	21	Profex	02, 33	White Westinghouse	19, 30
				Yoko	20, 25

OPERATING INSTRUCTIONS PHILIPS VR200/07

Congratulations! You now own one of the most sophisticated and simple-to-use video recorders (VCR) on the market. With this VCR you can record and play VHS-standard cassettes.



Please take the time to read this operating manual before using your video recorder.

Safety instructions and other notes

/⅓ Danger: High voltage!

Do not remove the top cover as there is a risk of an electrical shock!

The video recorder does not contain any components that can be repaired by the customer. When the appliance is connected to the power supply there are some components that are constantly operational. To switch off the video recorder completely you must disconnect it from the power supply.

Make sure that air can circulate freely through the ventilation slots on the video recorder.

Make sure that no objects or liquids enter the video recorder. If liquid is spilt into it, disconnect the video recorder immediately from the power supply and call the After-sales Service for advice.

The video recorder should not be used immediately after transportation from a cold to a hot area or vice versa, or in conditions of extreme humidity. After unpacking the video recorder, it should be allowed to acclimatize for at least three hours before installation.



These operating instructions have been printed on nonpolluting paper.



Deposit old batteries at the relevant collection points.

Å Please make use of the facilities available in your country for disposing of the packaging of the video recorder in a way that helps to protect the environment.

This electronic equipment contains many materials that can be recycled. Please inquire about the possibilities for recycling your old set.

l⊳ VIDEO Plus+ and PlusCode are registered trademarks of Gemstar Development Corporation. The VIDEO Plus+ system is manufactured under licence from Gemstar Development Corporation.



So that you can identify your machine in the event of theft, enter the serial number (PROD.NO) here. The serial number is printed on the type plate fixed at the rear of the set.

VR200/07

MODEL NO.

PROD.NO:

This product complies with the requirements of the Directive 73/23/EEC + 89/336/EEC + 93/68/EEC.

Interference

The Department of Trade and Industry operates a Radio Investigation Service to help TV licence holders improve reception of BBC and ITC programmes where these are being spoilt by interference.

If your dealer cannot help, ask at a Main Post Office for the booklet 'How to Improve Television and Radio Reception'.

Technical information

Measurements in cm (W / H / D): 38.0 / 9.3 / 26.0 Power consumption (Standby) : less than 6W (Saving energy mode) Voltage : 220-240V/50Hz Number of heads: 2 Video Winding time: approx. 100 seconds (Cassette E-180) Recording/Playback time :SP (Standard Play) 4 hours (Cassette E-240) / LP (Long Play) 8 hours (Cassette E-240)



Special functions on your video recorder

Digital Studio Picture Control	Philips has developed a system which produces the best possible playback quality. It reduces disturbance on old, worn video cassettes, and emphasises the detail on very good quality cassettes.
Plug & Play	When you connect your video recorder to your television and plug it into the mains, you will be welcomed with an OSD picture. All you have to do is follow the instructions in the "intelligent help line" for the next step. Enjoy the Automatic TV channel search/save function and the automatic time adjustment.
2000	We guarantee that your video recorder will switch to the new millennium with no problems whatsoever.
Automatic Satellite Recording	Recordings made on your video recorder can be controlled by an external satellite receiver.
video <i>phus</i> -	Simple programming system for video recorders. Makes programming as easy as making a telephone call. Simply enter the programme code which you will find in your listings magazine.
TURBO ▼DRIVE	The precision tape drive from Philips with short rewind times and automatic tape length recognition.

HOW TO CONNECT YOUR VIDEO RECORDER 1.

Important for the United Kingdom

This machine is fitted with an approved moulded 13 Amp plug. To change a fuse in this type of plug, please follow these instructions.



A Take off the fuse cover and take out the fuse.



5 Put in a new fuse which should be a BS1362 3A, A.S.T.A. or BSI approved type.



3 Refit the fuse cover.

If the plug fitted is not suitable for your socket, cut it off and fit another type.

If the plug you fit contains a fuse, it should be a 3Amp fuse. If you fit a plug which does not need a fuse, make sure the fuse on your fuse box is not greater than 5 Amps.



Note: Please destroy the plug you have cut off so that it cannot be used in a 13 Amp socket somewhere else.

How to connect a plug

The wires in the lead from the video recorder are coloured as follows.

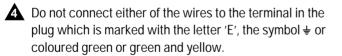
- * Blue 'neutral' ('N').
- * Brown 'live' ('L').



A Connect the blue wire to the terminal in the plug which is marked with the letter 'N' or coloured black.



3 Connect the brown wire to the terminal in the plug which is marked with the letter 'L' or coloured red.



Before you refit the plug cover, make sure that the grip at the bottom of the plug is clamped over the plastic cover of the lead, not just over the two wires.

How to connect your video recorder to the TV set

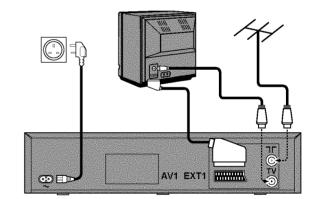
We recommend the use of a scart cable. This will give you the best picture and sound quality.



When you install your video recorder for the first time, please read:

- If your TV set has a scart socket and you are using a scart cable, please read the section 'Connecting with a scart cable'.
- The section 'Connecting without a scart cable', if you are not using a scart cable.

Connecting with a scart cable





Switch off the TV set.



Remove the aerial cable plug from your TV set and insert it into the socket at the back of the video recorder.



3 Plug one end of the aerial cable provided into the 🔟 socket on the video recorder and the other end into the aerial input socket on your TV set.



A Plug one end of the scart cable into the EXT.1 AV 1 scart socket at the back of the video recorder and the other end into the scart socket on your TV set (see instruction manual TV set).

3 Switch on the TV set.



A Insert one end of the mains cable into the mains socket \sim at the back of the video recorder and the other end into the wall socket.

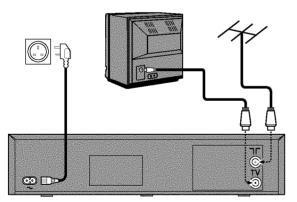
A If your TV set **automatically switches** to programme number e.g.: 'EXT', '0', or 'AV', this text will appear on the TV screen:



If your TV set does not switch to programme number e.g.: 'EXT', '0', or 'AV' automatically, select the programme number for the video recorder manually (see instruction manual TV set).

Then read 'Initial installation' in chapter 'INSTALLING YOUR VIDEO RECORDER'.

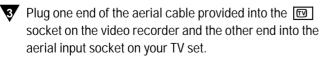
Connecting without a scart cable

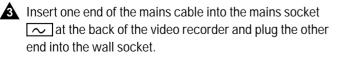




Switch off the TV set.

5 Remove the aerial cable plug from your TV set and insert it into the socket at the back of the video recorder.





3 Switch on your TV set and select the programme number that you have chosen for video playback (see instruction manual TV set).

- A Tune in the TV set in the UHF wave band until the following picture appears.
 - The video recorder will now be sending a welcoming text on channel 35 or 583MHz:

CONGRATULATIONS ON THE PURCHASE OF YOUR NEW PHILIPS VIDEO RECORDER TO CONTINUE PRESS OK



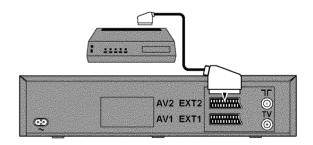
If you were using a video recorder before, you will probably need to retue the 'video channel' on your TV to obtain this picture.



 When the TV has been tuned read the paragraph 'Initial installation' in the next chapter.

Connecting a decoder or other equipment

You can connect additional equipment to the EXT.2 AV 2 socket. For example: a decoder, a satellite receiver or a camera recorder.

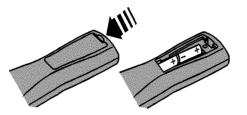


INSTALLING YOUR VIDEO RECORDER 2.

Initial installation



 Open up the battery compartment of your remote control and place the batteries in it as shown in the picture.



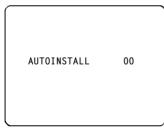


5 Close the battery compartment.



Confirm the picture on the TV screen with the OK button on the remote control.

A If you have connected the aerial to the video recorder, press the OK button. 'Autoinstall' starts. This picture will appear on the screen:



Wait until all TV channels have been found. This can take several minutes.



If the autoinstall procedure is interrupted by the standby button, press the MENU button to obtain the welcome screen again.



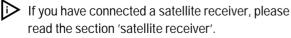
A To end, press the MENU button.

The initial installation is now complete.

Check the time and date. Please read 'Setting the time and date' in this chapter.



If you have connected a decoder, you must install it as described in the next section.



Allocating a decoder

Some TV stations will send coded TV channels, that you can only watch when you use a decoder. You can connect such a decoder (descrambler) to your video recorder. With the following function, the connected decoder will automatically be activated for the TV programme you want to watch.



A Switch on the TV set. If required, select the programme number for the video recorder.

Choose the television channel on which you wish to use the decoder with the P+ or P- buttons on the video recorder or the number buttons 0-9 on the remote control.

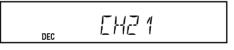
Press the MENU button on the remote control. The main menu will appear.



Select the line 'MANUAL SEARCH' with the P+ or P- button.



- 3 Confirm with the OK button.
- A Press the INDEX button. 'DEC' will appear in the display.





S Confirm with the OK button.



To end, press the OK button again. Then, press the TV/STANDBY ப் button.

This channel is now assigned to the decoder.



Manual TV channel search

In certain cases the 'Automatic TV channel search' may not be able to find all of the TV channels (e.g. coded TV channels). In that case, use this manual method to set the channels.

When you search for TV channels manually, you can choose between the indication for 'channel' or 'frequency'. Please read the next paragraph 'Channel number or frequency display'.



A Switch on the TV set. If required, select the programme number for the video recorder.



5 Press the MENU button on the remote control. The main menu will appear.

3 Select the line 'MANUAL SEARCH' with the P+ or P- button and confirm with the OK button.

CH 26	P01
SEARCH	→+ 0-9 OK

A Hold the P+ button until you have found the right TV channel. A changing channel number or frequency will appear on the screen.



If you know the frequency or channel number of the desired TV channel, you can enter the information in line with the number buttons $\boxed{0-9}$ on the remote control.

> To enter a special/hyperband channel, you must enter a '9' before the first channel digit. The indication changes from 'CH' to 'CA'. For example, for special channel 'S 30', enter '9 30'.

3 Confirm with the OK button.

 \mathbf{A} With the $\mathbf{P+}$ or $\mathbf{P-}$ button or with the number buttons 0-9, select the programme number you want to give to this TV channel, for instance, 'P01'.

6 Confirm with the OK button. If you want to allocate more TV channels, repeat steps A through A.



To end, press the TV/STANDBY む button.

Channel number or frequency display

You can switch between the display for 'channel number' or 'frequency' for manual channel search.

- Switch on the TV set. If required, select the programme number for the video recorder.
- 5 Press the MENU button on the remote control. The main menu will appear.
- 3 Select the line 'CHANNEL/FREQUENCY' with the
 - P- or P+ button and confirm with the OK button.
- & With the P+ button, select 'CHANNEL' or 'FREQUENCY' and confirm with the OK button.
- 3 To end, press the TV/STANDBY ර button.

Satellite receiver

You can receive channels from the satellite receiver via the scart socket EXT.2 AV 2].

To do this, select the channel number 'E2' by pressing the buttons P+ or P-. You will have to select the channels to be received by the satellite receiver on the receiver itself.

Special installation functions

You can select one of the following installation functions in order to adapt the video recorder to your own specific requirements.

Automatic TV channel search (Autoinstall)

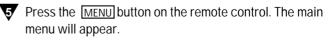
The video recorder will search for all TV channels. It stores TV channels found in the following sequence: BBC 1, BBC 2, ITV, CH 4, CH 5, SKY, others.



If you want to start the automatic TV channel search again, then follow the instructions below.



Switch on the TV set. If required, select the programme number for the video recorder.



Select the line 'AUTOINSTALL' with the P- or P+ button.

A Press the OK button. The 'Automatic TV channel search' starts.



Wait until all TV channels have been found. This can take several minutes.

3 When Autoinstall is complete, 'READY' will appear on the display.

The time and date information have been set.

How to search for a TV channel manually, you can read in the section 'Manual TV channel search'.

Monitor function

You can switch backwards and forwards between TV picture and video recorder picture with the MONITOR button. But this only works when you use a scart cable to connect the video recorder to your TV set and if your TV set responds to this switch-over.

Sorting and clearing TV channels manually

You can assign any programme number to a TV channel that you have stored and you can also delete unwanted TV channels.



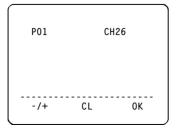
Switch on the TV set. If required, select the programme number for the video recorder.



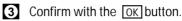
5 Press the MENU button on the remote control. The main menu will appear.



3 Select the line 'CHANNEL ALLOCATION' with P- or **P+** button and confirm with the OK button.







If you want to delete a TV channel, press the CLEAR (CL), 🕷 button.

A Repeat steps 🔬 to 🕄 until you have given a programme number to all TV channels.



A To end, press the TV/STANDBY ර button.

Setting the time and date

If a TV channel which transmits TXT/PDC is stored under programme number 'P01', time and date will automatically be taken from the TXT/PDC information.

If the time in the video recorder display is not correct or if '--: --' appears in the display, please set the clock manually.



A Switch on the TV set. If required, select the programme number for the video recorder.



3

5 Press the MENU button on the remote control. The main menu will appear.

Select the line 'CLOCK' with the P- or P+ button and confirm with the OK button.

TIME YEAR MONTH DATE		20:00 1999 01 01
	0-9	0К

- A Check the time in line 'TIME'. If required, please change the time with the 0-9 buttons on the remote control.
- 3 Confirm with the OK button.

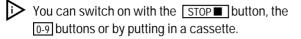


A Check 'YEAR', 'MONTH' and 'DATE' in the same way. Confirm each entry with the OK button.

ふ To end, press the TV/STANDBY ひ button.

3. IMPORTANT NOTES FOR OPERATION

General information



If you do not use the video recorder for a few minutes, it will switch to standby automatically. Please read the section 'Automatic switch-off (tuner mode)' in chapter ADDITIONAL FUNCTIONS.

If you have switched the video recorder off with the <u>TV/STANDBY</u> → button, the time will show in the display, for instance , '18:00'. If the clock has not been set, '--:-' will appear.

Keep your video recorder connected to the mains at all times to ensure that programmed recordings can be made and that the television works normally.

If the video recorder is not plugged into the mains, it will usually store TV channels for a year, and date and timer information for seven hours.

Saving energy

There are two ways to switch to standby.

Switching to standby with clock display: Switch to standby using the <u>TV/STANDBY</u> button. The time will be displayed. To save energy: Press the <u>TV/STANDBY</u> button twice. The time will disappear from the display.

Emergency interrupt

You can use the <u>TV/STANDBY</u> button on the video recorder or the remote control to interrupt any function.

So if you are having operating problems, you can just interrupt the function and start again.

And you can practise operating your set without any worries. No matter which buttons you press, you cannot damage it.

The symbols on your video recorder display

IIK

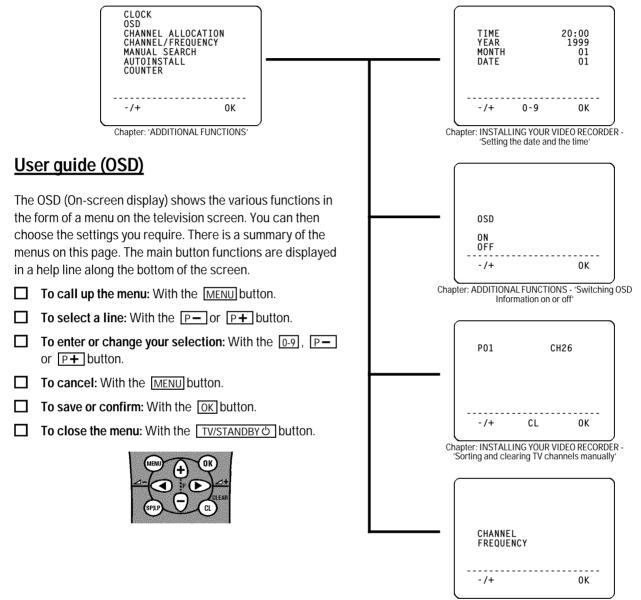


These symbols can light up on your video recorder display:

- This is where the current operating mode is shown as a symbol.
- LP When you play a tape that has been recorded in LP (Long Play).
- & When a satellite recording has been programmed.
- **DEC** When a decoder has been allocated to the TV channel you have currently selected.
- O When you are recording a progamme.
- **O** When you have programmed a recording or when a programmed recording is being made.
- D When you have programmed daily recordings.
- W When you have programmed weekly recordings.
- When you have put a cassette in the video recorder.
- **DATE** When the date of the programmed recording is shown.
- **START** When the start time of the programmed recording is shown.
- **PROG.** When the programme number of the programmed recording is shown.
- **END** When the end time of the programmed recording is shown.
- VPS/PDC Video programming system / programme delivery control: when a VPS or PDC code is being transmitted.
- Display of programme number / tape position / channel name / function.
 - Tape position in seconds, but only if the display mode 'LINEAR COUNTER' has been selected.

Summary of user guide

The OSD menu offers the following functions. More details on each can be found in the appropriate chapter.

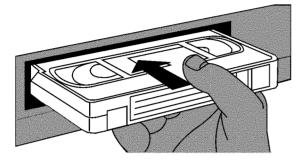


Chapter: 'INSTALLING YOUR VIDEO RECORDER -'Channel number or frequency display'

Playing a cassette



A Put a cassette into the cassette slot. 🖬 ' will appear on the display.



5 Press the PLAY► button.

3 To stop, press the STOP ■ button.

▲ To eject the cassette, press the STOP/EJECT / button on the video recorder.

Some functions switch off automatically after a while (for example, pause, still picture, picture search). This helps to protect the cassette and avoids wasting power.

Tape position indication

By pressing the OK button, you can show the present tape position on the TV screen.

If you want to see the tape position, you can select 'LINEAR COUNTER' (to show the present position on the tape in hours, minutes and seconds) or 'TIME LEFT'.



Switch on the TV set. If required, select the programme number for the video recorder.



5 Press the MENU button on the remote control. The main menu will appear.



Select the line 'COUNTER' with the P+ or P- button and confirm with the OK button.

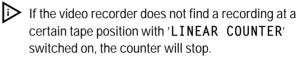
Select the type of counter with the P+ button and confirm with the OK button.

To reset the tape position 'LINEAR COUNTER' to '0:00:00', press the CLEAR (CL), K button.

> This video recorder will automatically recognise the length of the tape.

IIK

When you put a cassette in the video recorder and you want to see 'TIME LEFT', the video recorder must first calculate the time played. Therefore, '-:--' appears first and only after the tape has been running for a few seconds the playing time will be shown.



Searching for tape position with the picture (picture search)

- ▲ While a cassette is playing, press the <a>(reverse) or (forward) button once or several times.
- 5 To stop at a certain picture, press the PLAY► button.
 - During picture search, the picture guality may not be so good and there will be no sound.

Still picture

▲ Press the STILL ► | button. A still picture will appear on the screen. Interference stripes will appear on the screen.

5 Each time you press STILL M again, the picture will move on one step.

Searching for tape position without the picture (wind and rewind)



A Stop the tape with the <u>STOP</u> button.



5 Press the ◀< (reverse) or ▶► (forward) button.



To stop at a certain position on the tape, press the



3 To end, press the TV/STANDBY ひ button.

Instant View

With this function you can switch to picture search during wind and rewind



▲ If you hold the <a>(rewind) <a>(wind) button during wind or rewind, you will switch to picture search.



5 When you release the button, the video recorder will automatically switch back to rewind or wind.

Automatic search for a tape position (index search)

At the start of each recording, the video recorder will write an index code on the tape.



 $\mathbf{\Lambda}$ Press the INDEX \mathbf{N} button and then the \mathbf{P} button to select the next code mark or the dutton for the previous code mark.

5 When the video recorder finds the code mark, it will automatically switch to play.

Automatic search for a blank space on the tape

You can search for a space on the tape (at least 1 minute of blank tape) for a new recording, for example, after an existing recording on the tape.



A Press the INDEX► button. Then press the STOP■ button:



5 When the video recorder find a blank space, it will automatically switch to 'pause'.

If no empty space has been found when the end of the tape is reached, the cassette will be ejected.

Picture interference

If the picture quality is poor when you play a cassette, please follow these instructions.

Tracking during playback

- Mhile a cassette is playing, hold the P+ button until 'TRAC' (tracking) appears on the display.
- 5 Hold the P- or P+ button until the picture quality is at its best.

Wait a few seconds, until 'TRAC' disappears from the display. This picture setting will not change until you eject the cassette.

Tracking during still picture

If the still picture vibrates vertically, you can improve the still picture as follows:



3

 \mathbf{A} During still picture, hold the $\mathbf{P+}$ or $\mathbf{P-}$ button until the picture quality is at its best.

The video recorder will store this setting automatically.



Please note, however, that interference may still occur with poor quality cassettes.

Cleaning the video heads

If horizontal lines appear on the screen when you play a cassette, you should clean the video heads.





▲ While a cassette is playing, hold the PLAY button until 'HEAD' appears on the display. The video heads will now be cleaned. The video recorder will automatically switch to play again.

MANUAL RECORDING 5.

Use 'Manual Recording' to make a spontaneous recording (for example, a programme currently being shown).

- If you want to start and stop a recording manually, read the section: 'Recording without automatic switch-off'.
- If you want to start a recording manually but have it stopped automatically, read the section: 'Recording with automatic switch-off'.
- If you want a recording to be controlled automatically by a satellite receiver, read the section entitled 'Automatic recording from a satellite receiver'.

Recording without automatic switch-off

A Insert a cassette.

Use the P+ or P- button to select the programme number you want to record, for example, 'P01'. On the display appears:



- When a TV channel transmits a channel name, it will show on the video recorder display.
- Programme numbers 'E1' and 'E2' are for recording from other sources (through scart sockets EXT.1 AV 1 and EXT.2 AV 2).

To start recording, press the RECORD/OTR button on the remote control or RECORD● on the video recorder. On the display you will see:



Stop recording with the STOP■ button.

Recording with automatic switch-off (OTR one-touch-recording)

- A Put a cassette in the machine.
- 5 Use the P+ or P- button to select the programme number you want to record.
- 3 Press the RECORD/OTR● button on the remote control.
- A Press the RECORD/OTR button again and again until the display on the video recorder shows the desired end time or length of the recording.
 - To cancel this information, press the CLEAR (CL), K button.

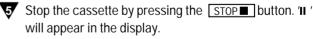
Protecting your recordings

So that you don't accidentally delete an important recording, remove the special tab on the narrow side of the cassette with a screwdriver or slide the special tab to the left. Later, if you no longer want to protect your recording, you can seal the gap again with sticky tape or slide the special tab to the right.

Auto-assembling

You can use the auto-assembling function to join individual recordings without any major picture disturbance between them.

 While the cassette is playing, search for the correct position on the tape.





Now start recording as usual by pressing the RECORD/OTR • button on the remote control.



Selecting the recording speed (SP or LP)

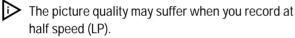
You can reduce the recording speed by half. This makes it possible to record, for example, eight-hours instead of four-hours on an 'E240' (four-hour) cassette.

Switch on the TV set and, if required, select the programme number for the video recorder.



5 With the video recorder switched on, and before you start recording, select the recording speed with the SP/LP, AV button. On the video recorder display you will see: 'LP': Long Play = half recording speed (double recording time).

'SP': Standard Play = normal recording speed.



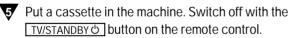
When you play back your recording, the machine will automatically select the correct speed.

Automatic recording from a satellite receiver (SAT RECORDING)

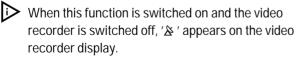
You can only use this function, when you have a satellite receiver which can control other equipment by a 'programming' function.

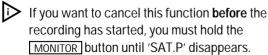


A Use a scart cable to connect the scart socket EXT.2 AV 2 to the scart socket on the satellite receiver.



3 Hold the MONITOR buton on the remote control, until 'SAT.P' appears on the video recorder display. The video recorder is now ready to record. The EXT.2 AV 2 plug controls the start and the end of the recording





If you want to cancel this function while a programme is being recorded, press the TV/STANDBY ひ button on the remote control.

PROGRAMMED RECORDING (TIMER) 6.

Use programmed recording to automatically start and stop a recording at a later date.

To make a programmed recording, your video recorder needs to know:

* the date you want to make the recording;

* the programme number for the TV channel you want to record:

- * the start and stop time of the recording;
- * whether you want to use VPS or PDC

The video recorder stores all the information in a TIMER block. You can programme up to 6 TIMER blocks a month in advance.

<u>'VPS' (Video Programming System) and</u> 'PDC' (Programme Delivery Control) (UK)

With 'VPS and PDC', the TV station controls the start time and the length of the recording. This means that the video recorder switches itself on and off at the right time even if a TV programme you want to record begins earlier or finishes later than expected.

You must enter the start time exactly to the minute.

If you want to programme a time that is different from the VPS or PDC time, you must switch off VPS or PDC.

Programming a recording (with 'VIDEO Plus+')

All the information required for a programming is contained in the PlusCode-programming number.





A Switch on the TV set and select the programme number for the video recorder.



5 Press the TIMER button on the remote control.

Enter the entire PlusCode-programming number (up to 9 digits) printed in your TV guide next to the start time of a TV programme.

For example, 5-234-89 or 5 234 89

Enter 523489 for the PlusCode-programming number. If you make a mistake, you can clear your instructions with the CLEAR (CL), K button.

VIDEOPLUS				
53124				
ONCE				
D/W→SELECT 0-9	CLEAR	→CL OK		

3 Use the <u>SELECT</u> button to select daily or weekly programming.

'D': recordings every day from Monday to Friday. 'W': recordings every week on the same day of the week.

3 Confirm with the OK button. Your programming details will then appear on the TV screen.

DATE	PROG	START	V/P	END
01	01	20:00	2	21:30
NEXT -/+		[MER CI D/W→SI		

- > You need to confirm the programme number the first time you programme the video recorder with VIDEO Plus+.
- ▶ If VIDEO Plus+ does not recognise the TV channel, 'SELECT PROG' will appear on the TV screen. Instead of 'E2', you can select the programme number you want with the number buttons 0-9 and confirm with the OK button.
- ▶ If 'CODE ERROR' appears on the TV screen, this means you entered an incorrect PlusCode number or the incorrect date. Correct your instructions or end with the TIMER button.
- ▶ If 'DAILY ERROR' appears on the TV screen, the date was incorrectly entered. Daily programming can only be used for recordings to be made from Monday to Friday.

Use the SELECT button to switch 'VPS/PDC' on or off.



If you want to set a later end time for a recording, press the P+ button. Each time you press the P+ button, you will add 15 minutes to the end time.	Programming a recording (without 'VIDEO Plus+')
 Confirm with the OK button when the information is correct. The programming information has been stored in a TIMER block. 	 Switch on the TV set and select the programme number for the video recorder. Press the TIMER button on the remote control twice.
Select the recording speed SP or LP with the <u>SP/LP, AV</u> button.	Select a free TIMER block with the P+ or P- button. Press the TIMER button.
 Make sure that the cassette you have put in can be recorded on. Switch off with the <u>TV/STANDBY</u> button. The programmed recording will only function when the video recorder is switched off with the <u>TV/STANDBY</u> button. If any of the TIMER blocks are in use, '@' will light up 	DATE PROG START V/P END 01 01 20:00 21:30 NEXT +TIMER CLEAR +CL -/+ 0-9 D/W+SELECT 0K
 while a programmed recording is being made, you cannot operate your video recorder manually. If you want to cancel the programmed recording, press the TV/STANDBY () button. If the video recorder is switched on a few minutes before a programmed recording is supposed to 	 With the TIMER, ▶/∠+ or ◄/∠- button you can select 'DATE' (date), 'PROG' (programme number), 'START' (start time) and 'END' (end time). Enter or change your information with the P+ or P- button, or with the number buttons 0-9. Under 'DATE', use the SELECT button to select daily or weekly programming. 'D': Recording from Monday to Friday.
 begin, 'TIMER RECORD' will flash on the TV screen. If you reach the end of the cassette during a recording, the video recorder will automatically eject the cassette. If you forget to load a cassette, 'NO CASSETTE' will support the TV screen and (b) will flack on the the support of the task of task	 'W': Recordings every week on the same day. Under 'START', use the <u>SELECT</u> button to switch 'VPS or PDC' on or off. Confirm with the <u>OK</u> button when the information is correct. The programming information has been stored in a
 will appear on the TV screen and '⊕' will flash on the video recorder display. If you have put in a cassette which cannot be used for recording, the video recorder will automatically eject it. 	TIMER block. Make sure that the cassette you have put in can be recorded on.
If 'TIMER FULL' appears on the TV screen when you press the <u>TIMER</u> button, you have used up all the available TIMER blocks. If you want to clear or check a TIMER block, select it with the <u>P+</u> or <u>P-</u> button.	 Use the <u>SP/LP, AV</u> button to select the recording speed 'SP' or 'LP'. Switch off with the <u>TV/STANDBY &</u> button. The programmed recording will only function when the video recorder is switched off with the <u>TV/STANDBY </u>
Programme numbers 'E1' and 'E2' are for recordings from other sources (through scart socket EXT.1 AV 1 or EXT.2 AV 2).	button. If any of the TIMER blocks are in use, 'ම' will light up on the video recorder display.



While a programmed recording is being made, you cannot operate your video recorder manually. If you want to cancel the programmed recording, press the TV/STANDBY ර button.

- If the video recorder is switched on a few minutes before a programmed recording is supposed to begin, 'TIMER RECORD' will flash on the TV screen.
- If you reach the end of the cassette during a recording, the video recorder will automatically eject the cassette.
- If you forget to load a cassette, 'NO CASSETTE' will appear on the TV screen and '@' will flash on the video recorder display.
- If you have put in a cassette which cannot be used for recording, the video recorder will automatically eject it.
- ▶ If 'TIMER FULL' appears on the TV screen when you press the TIMER button, you have used up all the available TIMER blocks. If you want to clear or check a programmed recording (TIMER block), select it with the P+ or P- button.
- Programme numbers 'E1' and 'E2' are for recordings from other sources (through scart socket EXT.1 AV 1 Or EXT.2 AV 2).

How to check or change a programmed recording (TIMER)

- A Switch on the TV set and select the programme number for the video recorder.
- 5 Press the TIMER button on the remote control twice.
- Select the programmed recording (TIMER) you want to check or change with the P+ or P- button.

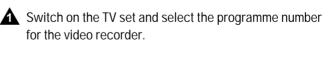


- A Press the TIMER button.
- 3 Select the entry field with the $\boxed{4/2}$ or $\boxed{/2}$ button.
- A Change any information with the P- or P+ button or with the 0-9 buttons.



- **S** Confirm with the OK button.
- A Make sure that the cassette you have put in can be recorded on. Switch off with the TV/STANDBY ර button.
 - > The programmed recording will only function when the video recorder is switched off with the TV/STANDBY ひ button.
 - > The video recorder will always record the programmed recording at the speed you have selected before the recording starts.

How to clear a programmed recording (TIMER)

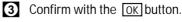


5 Press the TIMER button on the remote control twice.





A Press the CLEAR (CL), K button.



ADDITIONAL FUNCTIONS 7.

Setting the on-screen display (OSD)

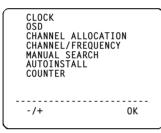
You can switch the on-screen display of the current operating information on or off.



A Switch on the TV set and select the programme number for the video recorder.



Press the MENU button on the remote control. The main menu will appear.





Select the line '0SD' with the P- or P+ buttons and confirm with the OK button.

Select one of the options shown with the P+ button. 'ON': Shows the OSD for a few seconds only. 'OFF': Switches off the OSD.

3 Confirm with the OK button.

Continuous playback

You can automatically play a cassette again and again. When the video recorder reaches the end of the tape or the end of the recording, it will rewind and start again.



A Put a cassette in the machine.





3 Press the MONITOR button on the remote control and the PLAY button on the video recorder at the same time . On the video recorder display you will see:





A If you want to cancel continuous playback, repeat step 3

During continuous playback, no other button will work. After a power failure, playback will automatically start again.

Automatic switch-off (tuner mode)

If you do not use the video recorder for a few minutes in certain modes (e.g.: STOP), it will switch to standby automatically. You can cancel this function to use the video recorder as a television receiver (tuner).



A Hold the STOP | button until Dappears on the video recorder display.

5 Select the programme number you want with the P- or P+ button or with the number buttons 0-9.

3 Switch off the video recorder with the TV/STANDBY ひ button, if you no longer want to watch TV.

Poor TV reception - Optimize the modulator

With 'Connecting without scart cable', the modulator frequency (583Mhz or UHF channel 35) might already be being used by another TV station in your reception area. In this case the picture quality on your TV set will be adversely affected when receiving one or more TV channels.

Ensure that no cassette has been loaded. On the video recorder, hold the <u>SYSTEM</u> button for a few seconds until e.g.: 'M583' (583Mhz/channel 35) appears in the display. The video recorder transmits a test picture on this UHF-channel (or this frequency).

MODULATOR	583
-/+ ON/OFF	→CL OK



When you press the **b** button, the video recorder will search for the next modulator frequency.



5 Confirm the new modulator frequency with the OK button.



Tune in the TV set to this channel or frequency. A To end, press the TV/STANDBYのbutton.





Switching off the modulator

If you cannot clear picture or sound interference, you can switch off the built-in modulator. You should only do this if you have connected the video recorder to the TV set with a scart cable.



A Switch on the TV set and select the programme number for the video recorder.



5 Make sure that **no** cassette is in the video recorder. On the video recorder, press the SYSTEM button for several seconds, until, for example, 'M583' appears on the video recorder display.



3 Hold the CLEAR (CL), 🕷 button, until 'MOFF' (modulator off) appears on the video recorder display. If you want to switch the modulator on again, hold the CLEAR (CL), K button, until 'M583' (Modulator switched on) appears on the display.



A To end, press the TV/STANDBY む button.

8. Before you call an engineer

If, contrary to expectation, you have any problems using this video recorder, it may be caused by one of the reasons mentioned below. You can also call the **customer service centre** in your country.

You will find the phone number in the enclosed guarantee leaflet.

Your video recorder does not respond to any button being pressed:

- There is no power supply: check the power supply
- A programmed recording is currently being made: cancel the programmed recording with the <u>TV/STANDBY</u> button.
- Continuous playback is on: switch the continuous playback off.
 There is a technical problem: switch off the mains power supply for 30 seconds, then switch it on again. If this does not have any
 - effect, you can: 1. Switch off the mains power supply again.

2. Then switch it on **whilst holding down** the STANDBY (b) button on the video recorder.

3. Release the button when '--:--' or 'E1' appears on the video recorder display. All the information stored (TV channels, time and date, TIMER) will be cleared.

Cassette is jammed in the video recorder:

Don't use force. Pull out the mains plug for a moment.

Remote control does not work:

- Remote control not pointed toward the video recorder: point it at the video recorder.
- Batteries have run out: change the batteries.

No picture when you play a cassette:

- There is no recording on the cassette: change the cassette.
- You have chosen the wrong programme number on the TV for playing cassette: on the TV, select the correct programme number for the video recorder.
- The cable connecting the TV set and the video recorder has come loose: check the cable.

Poor picture quality when you play a cassette:

- Your TV set is not properly adjusted.
- The cassette badly worn or of poor quality: use new cassette.
- Tracking is not properly adjusted or the video heads are dirty: turn to chapter 'PLAYBACK' and read the section 'Cleaning the video heads'.

The video recorder will not record:

- The TV channel you want to record is not stored or you selected the wrong programme number: check TV channels stored.
- You have loaded a cassette which cannot be recorded on: undo the erase protection on the cassette.

Programmed recording does not work:

- You have not set the TIMER properly: check the TIMER blocks.
- You have programmed the wrong time or date: check time and date.
- You have put in a cassette that cannot be recorded on: undo the erase protection on the cassette.
- 'PDC' or 'VPS' switched on but 'PDC/VPS time' wrong: enter PDC or VPS time exactly to the minute. Have your aerial checked.
- After a 'programmed recording with 'VIDEO Plus+' the programme number of the TIMER block will not agree with the required programme number: when you have confirmed the PlusCode programming number, confirm the TIMER block by pressing the <u>TIMER</u> button. Then change the programme number displayed in the 'PROG' entry field and confirm by pressing the <u>TIMER</u> button.

There is picture or sound interference on TV reception:

- Turn to chapter 'ADDITIONAL FUNCTIONS' and read 'Poor TV reception - optimising the modulator' and 'Switching off the modulator'.
- Have your aerial checked.

Technical terms used

Current tape position : The part of the tape currently being played.

External source : A device connected via a socket (for example, scart socket) which is transmitting audio/video signals to the video recorder.

Index marking : A marking which is automatically made on the tape at the beginning of every recording. This marking (recording ID) can be searched for with the Index search function.

Scart cable : Also known as a Euro-AV cable. This standard cable is an easy method of connecting various audio and video devices, computer screens and televisions. Other signals in addition to audio and video signals can be transmitted on it.

TV system : There are various systems for transmitting television signals, for example, PAL, SECAM, PAL BG, SECAM DK, SECAM L/L, NTSC etc. The system used by your television depends on which country you are in.

TXT : Also known as Teletext, Fasttext, Videotext, FLOF etc. **OTR** : One touch recording. This function enables you to select the switch-off time in intervals of 30 minutes.

Modulator : An electronic component in a video recorder which allows audio and video signals to be transmitted via the aerial cable. Your television receives the signal in the same way as a signal from a television station.

Modulator frequency : This frequency/channel indicates the frequency/channel on which the audio/video signal is transmitted.

UHF frequency range : Channels 21 to 69. The video recorder 'broadcasts' on channel 35/frequency 583 MHz. This frequency/channel can be changed (see the section entitled 'Reducing picture disturbance - optimising the modulator'). OSD (On-screen display) : The largest possible display area for the video recorder - the screen on your television set.







